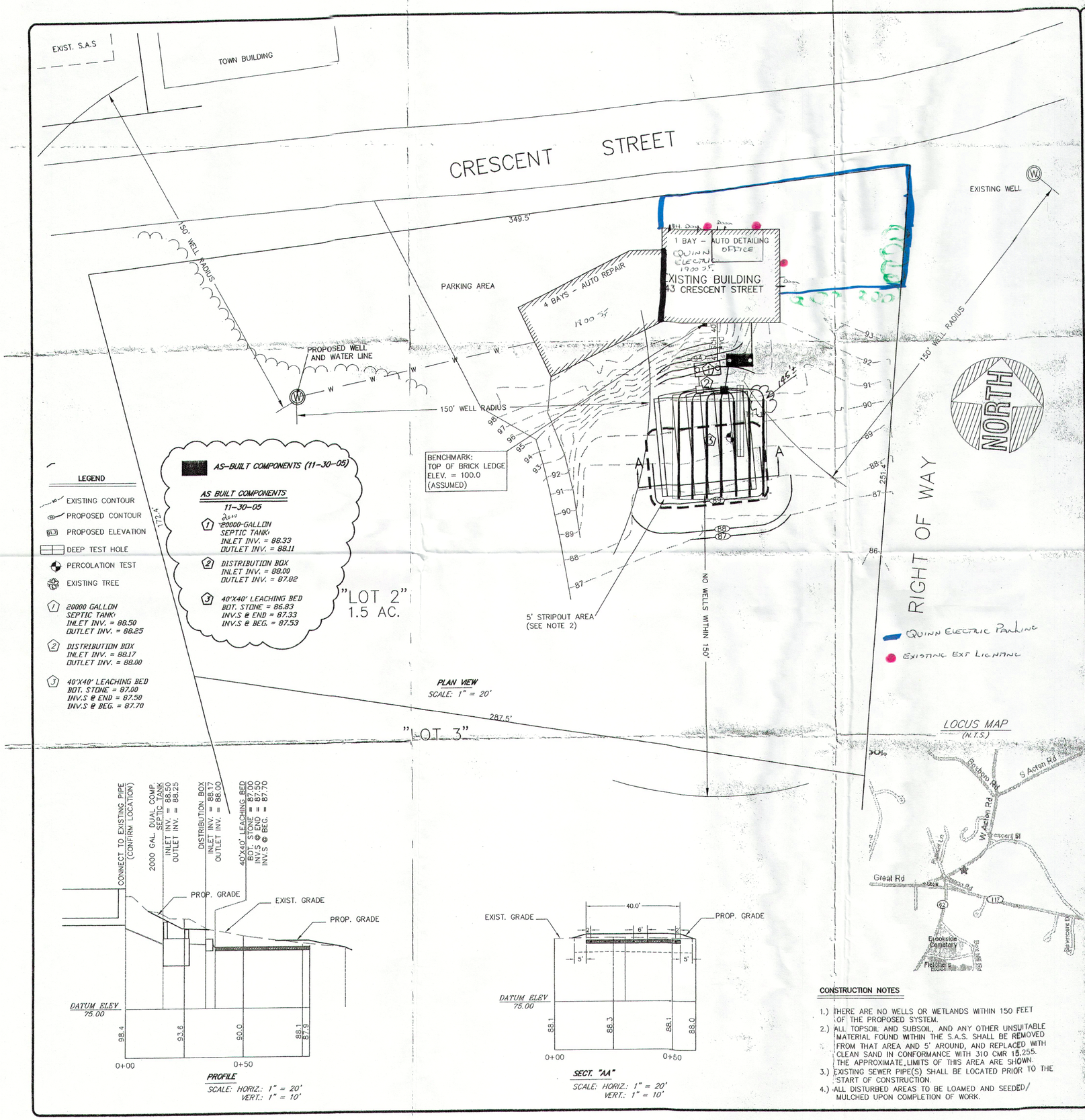


LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED ELEVATION
- DEEP TEST HOLE
- PERCOLATION TEST
- EXISTING TREE

AS-BUILT COMPONENTS (11-30-05)

AS BUILT COMPONENTS
11-30-05

1. 2000 GALLON SEPTIC TANK: INLET INV. = 88.33, OUTLET INV. = 88.11
2. DISTRIBUTION BOX: INLET INV. = 88.00, OUTLET INV. = 87.82
3. 40'X40' LEACHING BED: BOT. STONE = 86.83, INV.S @ END = 87.33, INV.S @ BEG. = 87.53

1. 20000 GALLON SEPTIC TANK: INLET INV. = 88.50, OUTLET INV. = 88.25
2. DISTRIBUTION BOX: INLET INV. = 88.17, OUTLET INV. = 88.00
3. 40'X40' LEACHING BED: BOT. STONE = 87.00, INV.S @ END = 87.50, INV.S @ BEG. = 87.70

PLAN VIEW
SCALE: 1" = 20'

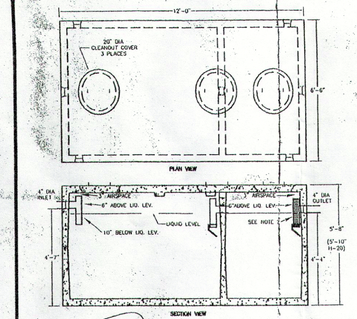
PROFILE
SCALE: HORIZ.: 1" = 20'
VERT.: 1" = 10'

SECT. "AA"
SCALE: HORIZ.: 1" = 20'
VERT.: 1" = 10'

CONSTRUCTION NOTES

1.) THERE ARE NO WELLS OR WETLANDS WITHIN 150 FEET OF THE PROPOSED SYSTEM.
2.) ALL TOPSOIL AND SUBSOIL, AND ANY OTHER UNSUITABLE MATERIAL FOUND WITHIN THE S.A.S. SHALL BE REMOVED FROM THAT AREA AND 5' AROUND, AND REPLACED WITH CLEAN SAND IN CONFORMANCE WITH 310 CMR 15.255. THE APPROXIMATE LIMITS OF THIS AREA ARE SHOWN.
3.) EXISTING SEWER PIPE(S) SHALL BE LOCATED PRIOR TO THE START OF CONSTRUCTION.
4.) ALL DISTURBED AREAS TO BE LOAMED AND SEEDED/ MULCHED UPON COMPLETION OF WORK.

LOCUS MAP
(N.T.S.)

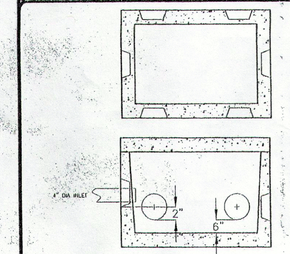


2000 GALLON, 2-COMPARTMENT SEPTIC TANK DETAILS
(N.T.S.)

1.) SEPTIC TANK CONSTRUCTION SHALL CONFORM TO 310CMR 15.226
2.) OUTLET TEE CONFIGURATION SHALL BE AS FOLLOW:

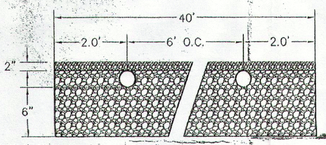
LIQUID DEPTH IN TANK	DEPTH OF TEE BELOW FLOW
4"	14"
5"	19"
6"	24"
7"	29"
8"	34"

3.) ACCESS COVER TO BE BROUGHT TO WITHIN 0.5 FT. OF FINISH GRADE
4.) TANK SHALL BE PLACED ON MINIMUM 6" COMPACTED STONE BASE.

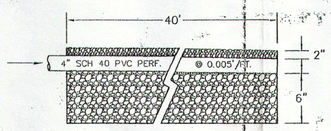


DISTRIBUTION BOX DETAILS
(N.T.S.)

1.) DISTRIBUTION BOX SHALL CONFORM TO 310 CMR 15.232.
2.) INLET BAFFLE NOT REQUIRED IF INVERT OF OUTLET PIPES IS AT LEAST 4" ABOVE BOTTOM.
3.) ALL OUTLETS TO BE AT SAME ELEVATION AND AT LEAST BELLOW INLET.
4.) PIPES SHALL BE LAID LEVEL FOR FIRST 2 FEET OUT OF DISTRIBUTION BOX.
5.) DISTRIBUTION BOX SHALL BE PLACED ON MINIMUM 6" COMPACTED STONE BASE.



END SECTION
(N.T.S.)



SIDE SECTION
(N.T.S.)

LEACHING BED DETAILS
(N.T.S.)

1.) S.A.S. SHALL CONSIST OF 40X40' LEACHING BED ARRANGED AS SHOWN ON PLAN.
2.) BED SHALL HAVE 6" OF ¾"-1½" DOUBLE WASHED STONE.
3.) MINIMUM 2" LAYER OF ¾"-1½" DOUBLE WASHED STONE SHALL BE PLACED OVER S.A.S.
4.) SAS CONSTRUCTION SHALL BE IN ACCORDANCE WITH 310 CMR 240.
5.) BOTTOM AND SIDES OF EXCAVATION SHALL BE CLEAN, LEVEL, AND SCARIFIED PRIOR TO PLACEMENT OF STONE.

REVISIONS

N°	DESCRIPTION	DATE
1	AS-BUILT COMPONENTS	11/30/05

SYSTEM DESIGN DATA

DESIGN LOADING: 5 BAYS AT 150 GPD = 750 (AVG. DAILY FLOW) GPD

SEPTIC TANK REQUIRED: 750 (AVG. DAILY FLOW) X 200% = 1500 GAL. OR 1500 GAL. MIN.

SEPTIC TANK PROVIDED: 2000 GALLONS DUAL COMP.

LEACHING AREA REQUIRED: 750 (AVG. DAILY FLOW) ÷ 0.74 GPD/S.F. = 1014 S.F. X 150% = 1521 S.F.

LONG TERM ACCEPTANCE RATE (LTAR) FOR ≤ 2 mpi = 0.74 PERC. RATE

ADJUSTMENT FACTOR PER TOWN REGS.: 150% OF TITLE 5

LEACHING AREA PROVIDED: SIDEWALL AREA: N/A

BOTTOM AREA: (40)(40) = 1600 S.F.

TOTAL AREA: 1600 S.F.

SOIL OBSERVATION HOLE LOG

TH-# 1 — 02/06/03 — ELEV. = 91.0

DEPTH FROM SURFACE (INCHES)	SOIL HORIZON	SOIL TEXTURE (USDA)	SOIL COLOR (MUNSELL)	SOIL MOTTLING	OTHER (STRUCTURE, STONES, BOULDERS, CONSISTENCY, % GRAVEL)
0-10"	A	SL	10YR 3/2	---	CRUMB
10-18"	B	LS	10YR 5/6	---	MASSIVE, 0% GRAV.
18-84"	C1	SAND	2.5Y 6/6	--	SINGLE-GRAINED, UNIFORM, MEDIUM, NO GRAVEL
84-130"	C2	SAND	2.5Y 5/4	--	SINGLE-GRAINED, GRAVELLY, COARSE, BOULDERS

TESTING WITNESSED BY J. WALLACE, STOW BOARD OF HEALTH — NO WEEPING, NO MOTTLES TO 130" STANDING WATER @ 126" (HIGH SIDE OF HOLE) ESHGW=80.5

AS-BUILT CERTIFICATION

I CERTIFY THAT THE SYSTEM SHOWN HAS BEEN CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH 310 CMR 15.000 AND THE APPROVED DESIGN PLAN AND THAT ANY CHANGES TO THE DESIGN PLAN HAVE BEEN REFLECTED ON THIS AS-BUILT PLAN.

THOMAS P. DIPERSIO, JR., P.E. — DATE 11/30/05

PERCOLATION TEST RESULTS			PERCOLATION TEST RESULTS		
TEST HOLE	DEPTH	RATE	TEST HOLE	DEPTH	RATE
TH #1	48"	< 2 MPI	-----	-----	-----

I CERTIFY THAT ON JUNE, 1999 I HAVE PASSED THE SOIL EVALUATION EXAMINATION APPROVED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THAT THE ABOVE ANALYSIS WAS PERFORMED BY ME CONSISTENT WITH THE REQUIREMENT TRAINING EXPERTISE AND EXPERIENCE DESCRIBED IN 310 CMR 15017.

SIGNED: THOMAS DIPERSIO Jr. - P.E., SOIL EVALUATOR

GENERAL NOTES

1.) ALL WORK SHALL CONFORM TO THE MOST RECENT EDITION OF 310 CMR 15.000, TITLE 5, AND THE TOWN OF STOW BOARD OF HEALTH REGULATIONS.
2.) SEPTIC TANKS, DISTRIBUTION BOXES, PUMP CHAMBERS, ETC. SHALL BE CONSTRUCTED IN ACCORDANCE WITH TITLE 5 SPECIFICATIONS AND THE DETAILS ON THIS PLAN.
3.) ALL STONE, PEASTONE, AND SAND FILL IF REQUIRED SHALL CONFORM TO TITLE 5 SPECIFICATIONS.
4.) BACKFILL AND GRADING OVER SYSTEM SHALL DIRECT RUNOFF AWAY FROM SYSTEM.
5.) IF REQUIRED, EROSION CONTROL MEASURES SHALL BE PLACED AS SHOWN ON PLAN PRIOR TO CONSTRUCTION.
6.) ANY CONDITIONS ENCOUNTERED WHICH VARY FROM THOSE SHOWN ON PLAN SHALL BE REPORTED TO THE DESIGN ENGINEER.

AS-BUILT SEWAGE DISPOSAL SYSTEM PLAN

RECEIVED OCT 24 2006 Town of Stow Board of Health

APPLICANT: KATHLEEN GRONOKOWSKI

LOCATION: 43 CRESCENT STREET - STOW, MASSACHUSETTS

DATE: 08/05/2003 | DESIGNED BY: THOMAS DIPERSIO Jr. | DRAWN BY: MARCELO FERREIRA | CHECKED BY: TD Sr.

SCALE: AS NOTED | JOB N° 1192 | JOB PATH ...\SDSKPROJ\1192\DWG\SEPTIC PLAN.DWG

COMMONWEALTH OF MASSACHUSETTS — THOMAS P. DIPERSIO, JR. — CIVIL — No. 40077 — REGISTERED PROFESSIONAL ENGINEER

THOMAS LAND SURVEYORS
& Engineering Consultants, Inc.
Land Surveyors, Civil & Environmental Engineers, Planning Consultants
WWW.TLSURVEY.COM
118 FOREST AVENUE — HUDSON, MA 01749
PHONE: (978) 562-3981 — FAX: (978) 568-8994